

Figure 1. Fluorescent images of representative localizations: Nuclear (H28); mitochondria (A12); nucleolar (I19); reticular (J37); cytosolic (I37); vesicular (H36); granular (B41); multi-labeled: nucleolar (I19, red), granular (G34, blue), mitochondrial (B24, green).

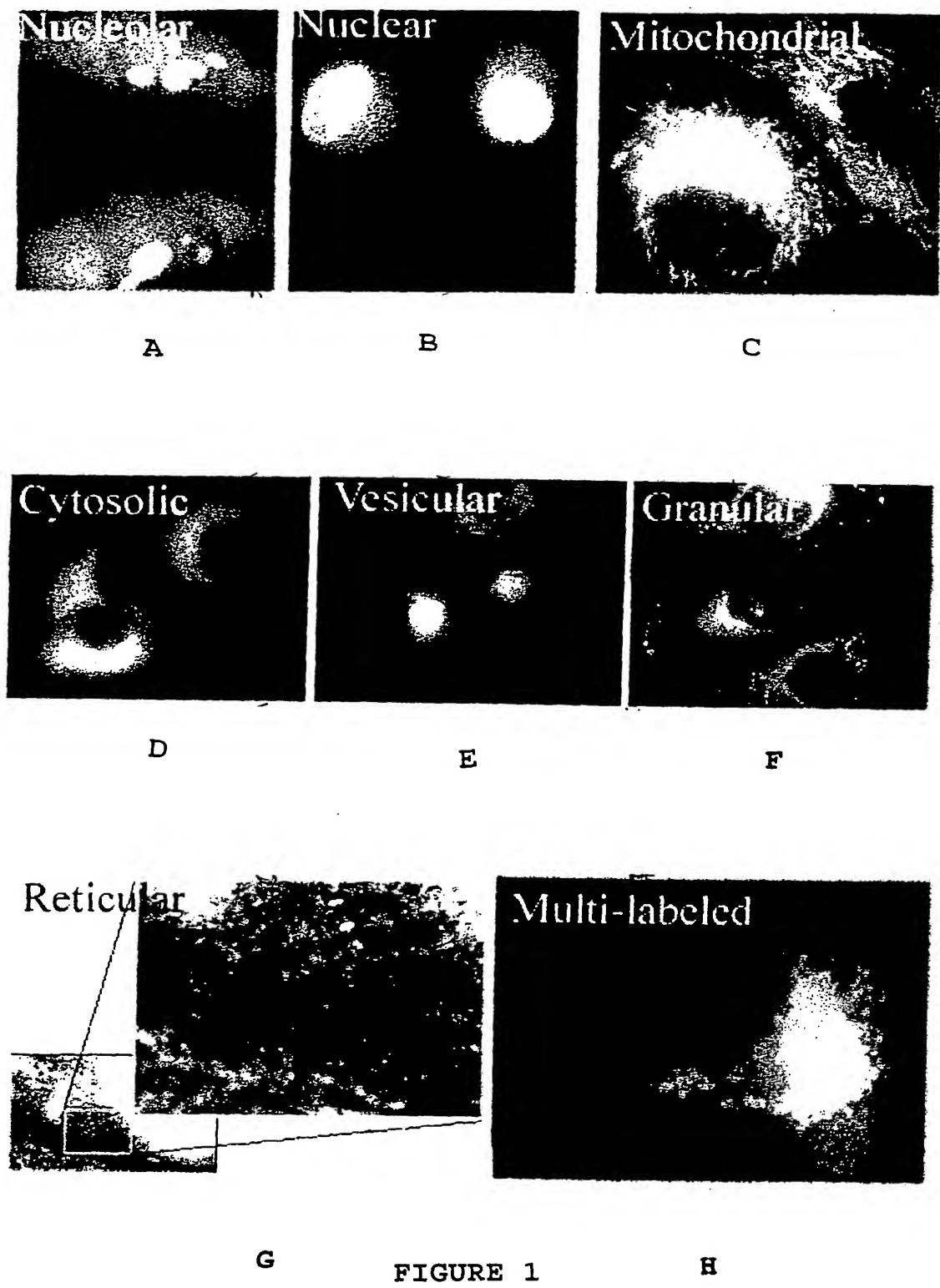


FIGURE 1

Fig.2 Eight selected compounds and related derivatives

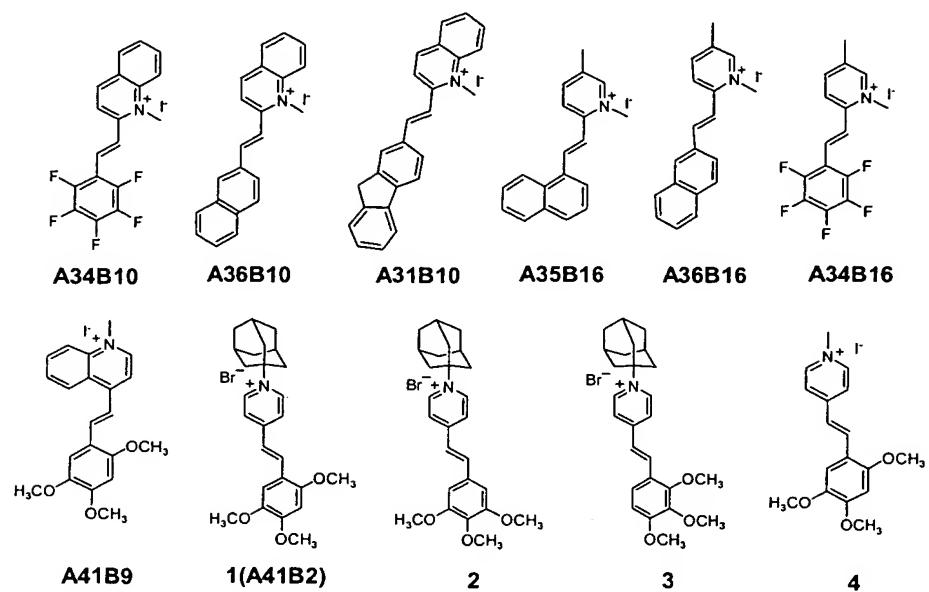


FIGURE 2

Fig. 3. Fluorometric titration of compound 1 with dsDNA in a buffer solution ($\lambda_{\text{ex}} = 394 \text{ nm}$, compound 1 = $5 \text{ } \mu\text{M}$)

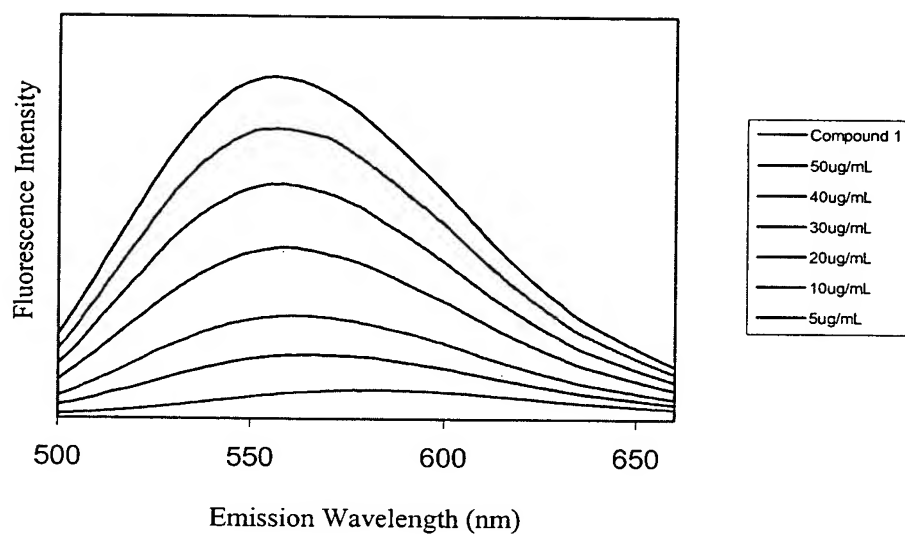
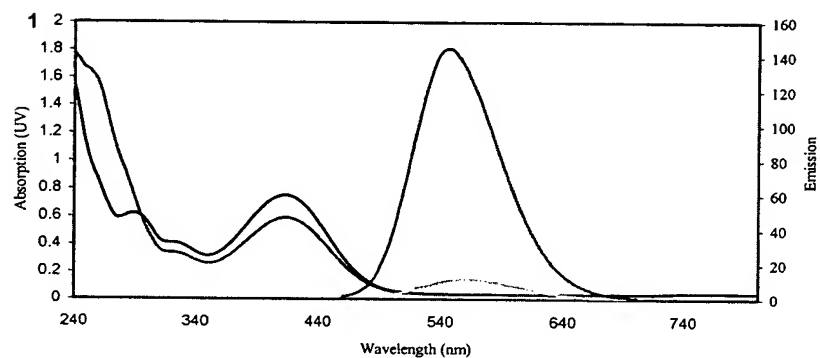
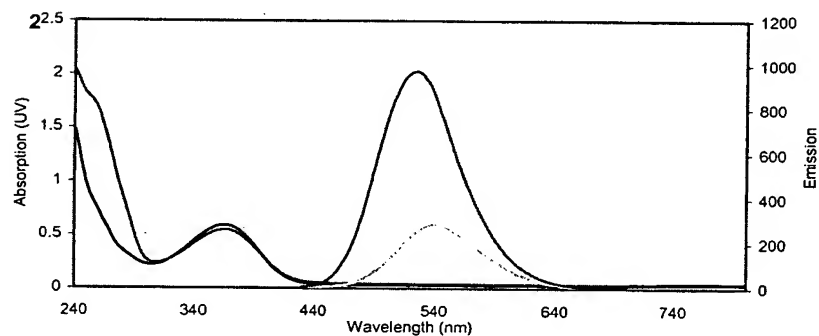


FIGURE 3

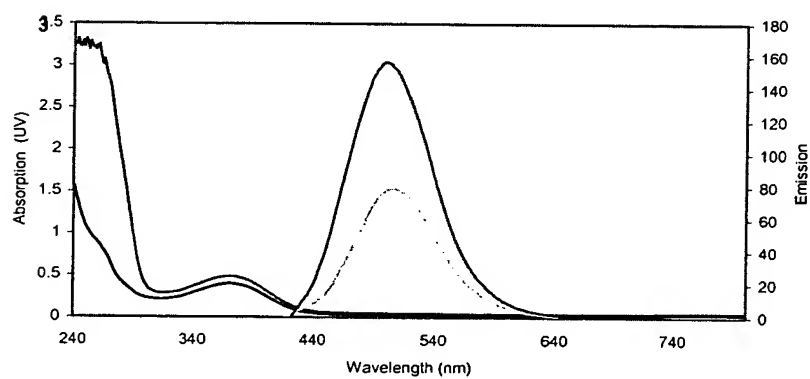
Fig. 4 Absorption and Fluorescence spectrum of compound **1**, **2**, **3** Dye **1**, **2**, **3** (50 μM), dsDNA (50 $\mu\text{g/mL}$)



A



B



| | |
|----------------|-------------------------|
| — Absorption | — Absorption with DNA |
| - - - Emission | - - - Emission with DNA |

C

FIGURE 4

Fig. 5 Nuclear staining of compound 1, 2, and 3 (500 μ M)

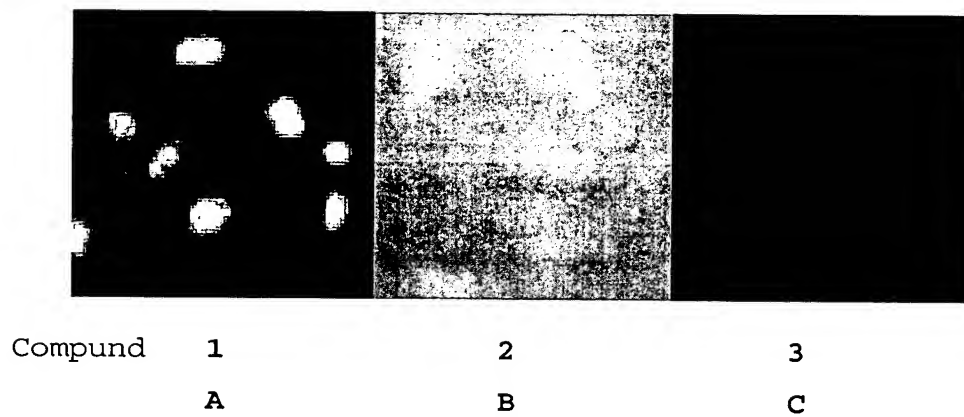


FIGURE 5